

ABSTRACT (v AJ)

The diploma thesis deals with accidental or accidental hypothermia associated with patient trauma, focusing on the experience and knowledge of non-medical health workers in this area. Hypothermia is a life-threatening condition that comprehensively threatens the entire organism, especially if hypothermia is associated with trauma. We then talk about the so-called lethal triad, which consists of hypothermia, acidosis and coagulopathy.

The theoretical part of the thesis introduces us to the terminology of hypothermia, the clinical evaluation of hypothermia, measuring body temperature, the issue of trauma and coagulation disorders associated with hypothermia. The aim of the work was to analyze the experience and knowledge of air rescuers in the issue of accidental hypothermia in a patient with trauma. A total of 9 respondents were interviewed, with whom semi-structured interviews were conducted. We focused on the issue of the frequency of interventions with this issue, the possibilities of diagnosis, the provision of pre-hospital emergency care for patients with hypothermia. Subsequently, an analysis of coagulation parameters was performed in individual patients treated by the air ambulance service during the winter months with moderate trauma, who were subsequently transported to a fall trauma center. From the results of the survey, we found that paramedics have different experiences with interventions in a patient with accidental hypothermia. Furthermore, it was found that the rescuers have relatively very good expertise in the issue of accidental hypothermia. Can summarize diagnosis, treatment methods in pre-hospital emergency care and complications of accidental hypothermia in a trauma patient.

On the basis of information obtained from interviews with respondents and analysis of coagulation parameters of selected patients, it was recommended to create a presentation of the treatment of patients with accidental hypothermia and trauma with several case reports and the results of treatment in a medical facility. The presentation would be part of regular pre hospital care training organized by the given medical emergency service.

keywords: Accidental hypothermia, trauma, coagulopathy, body temperature measurement, pre-hospital emergency care.